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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

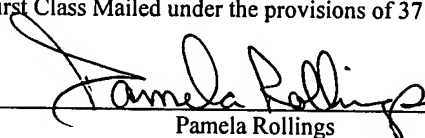
In re United States Patent Application of:)	Docket No.:	2771-663
)		
Applicants:)	CHEN, Ing-Shin, et al.)
)		
Application No.:)	10/775,473)
)		
Patent No.:)	7,193,187)
)		
Title:)	FEEDBACK CONTROL)
)	SYSTEM AND METHOD FOR)
)	MAINTAINING CONSTANT)
)	RESISTANCE OPERATION)
)	OF ELECTRICALLY)
)	HEATED ELEMENTS)

Customer No.:

23448

FIRST CLASS MAIL CERTIFICATE

I hereby certify that I am mailing this document to the Commissioner for Patents on the date specified, in an envelope addressed to Commissioner for Patents, Attn: Certificate of Correction Branch, P.O. Box 1450, Alexandria, VA 22313, First Class Mailed under the provisions of 37 CFR 1.8.


Pamela Rollings

October 9, 2007
Date of Mailing

Certificate
OCT 16 2007
of Correction

SUBMISSION OF CERTIFICATE OF CORRECTION UNDER THE PROVISIONS OF
37 CFR § 1.322 AND 35 U.S.C. § 254 FOR U.S. PATENT NO. 7,193,187

Commissioner for Patents
Attn: Certificate of Correction Branch
P.O. Box 1450
Alexandria, Virginia 22313-1450

Sir:

OCT 16 2007

Enclosed is a Certificate of Correction submitted under the provisions of 35 U.S.C. §254, to correct errors of the Patent and Trademark Office in the printing of the above-identified U.S. Patent.

In addition to the errors of the Patent and Trademark Office, a review of the patent has revealed the presence of errors attributable to applicants/patentees, which however are of a minor and self-evident character, as listed below:

Column 7, line 32, "BRIEF DESCRIPT" should be -- BRIEF DESCRIPTION --.

Column 14, line 2, "provided as a input" should be -- provided as an input --.

While the foregoing errors attributable to applicants/patentees are not sufficiently serious in nature to warrant the filing of Certificate of Correction under 37 CFR § 1.322, applicants/patentees nonetheless wish to bring same to the attention of the Patent and Trademark Office for inclusion in the prosecution record of the above-identified patent.

Respectfully submitted,



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Enclosures:

Certificate of Correction [2 pages]

<p>The USPTO is hereby authorized to charge any deficiency or credit any overpayment of fees properly payable for this document to Deposit Account No. 08-3284</p>

OCT 16 2007

UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

Page 1 of 2

PATENT NO. : 7,193,187

APPLICATION NO.: 10/775,473

ISSUE DATE : March 20, 2007

INVENTOR(S) : CHEN, Ing-Shin, et al.

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Cover page, Item (54), Inventors, add -- Richard Kramer, Sharon, MA (US) --.

Column 3, line 20: " α_p " should be -- α_p --.

Column 4, line 18: " α_p " should be -- α_p --.

Column 6, line 1: " α_p " should be -- α_p --.

Column 6, line 59: " α_p " should be -- α_p --.

Column 8, line 14: " $R = R_0 \cdot [1 + \alpha_p (T - T_0)]$ " should be --

$$R = R_0 \cdot [1 + \alpha_p (T - T_0)] \text{ --.}$$

Column 8, line 17: " α_p " should be -- α_p --.

Column 9, line 8: " $T_c = T_a + \eta W = T_a + \eta \cdot I_c^2 R_c = T_a + \eta \cdot I_c^2 R_0 \cdot [1 + \alpha_p (T_c - T_0)]$ " should be --

$$T_c = T_a + \eta W = T_a + \eta \cdot I_c^2 R_c = T_a + \eta \cdot I_c^2 R_0 \cdot [1 + \alpha_p (T_c - T_0)] \text{ --.}$$

Column 9, line 22: " $\varepsilon = \alpha_p \eta I^2 R_0$ " should be -- $\varepsilon = \alpha_p \eta I^2 R_0$ --.

Column 9, line 64: " $R \approx R_0 \cdot \{1 + \alpha_p [(T_a + \eta \cdot W) - T_0]\}$ " should be --

$$R \approx R_0 \cdot \{1 + \alpha_p [(T_a + \eta \cdot W) - T_0]\} \text{ --.}$$

Column 10, lines 11-12: " $R_s = R_0 \cdot \{1 + \alpha_p [(T_{a,s} + \eta_s \cdot W_s) - T_0]\} \approx R_0 \cdot \{1 + \alpha_p [(T_a + \eta \cdot W_s) - T_0]\}$ "

$$\text{should be -- } R_s = R_0 \cdot \{1 + \alpha_p [(T_{a,s} + \eta_s \cdot W_s) - T_0]\} \approx R_0 \cdot \{1 + \alpha_p [(T_a + \eta \cdot W_s) - T_0]\} \text{ --.}$$

Column 10, line 32: " α_p " should be -- α_p --.

MAILING ADDRESS OF SENDER (Please do not use customer number below):

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UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

Page 2 of 2

PATENT NO. : 7,193,187

APPLICATION NO.: 10/775,473

ISSUE DATE : March 20, 2007

INVENTOR(S) : CHEN, Ing-Shin, et al.

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 11, line 23: " $R_s \approx R_0 \cdot \{1 + \alpha_p [(T_a + \eta \cdot W_s) - T_0]\} = R_a + \alpha_p \eta \cdot R_0 \cdot W_s$ " should be --

$$R_s \approx R_0 \cdot \{1 + \alpha_p [(T_a + \eta \cdot W_s) - T_0]\} = R_a + \alpha_p \eta \cdot R_0 \cdot W_s$$
 --.

Column 12, line 51: "can be ed as" should be -- can be determined as --.

Column 13, line 26: " $I^1(R_s - R) \ll \Delta W$ " should be -- $I^2(R_s - R) \ll \Delta W$ --.

Column 14, line 2, "provided as a input"

Column 18, lines 3-4 (claim 14): " $\Delta W = 2 \cdot \frac{m}{\alpha_p \times t \times R_0} \cdot [R_s - R]$ " should be --

$$\Delta W = \frac{m}{\alpha_p \times t \times R_0} \cdot [R_s + R(0) - 2R] --.$$

Column 18, line 65 (claim 18): " α_p " should be -- α_p --.

Column 19, line 55 (claim 20): " α_p " should be -- α_p --.

Column 20, line 22 (claim 21): " α_p " should be -- α_p --.

Column 20, line 65 (claim 22): " α_p " should be -- α_p --.

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